



Memorandum

To: Honorable Mayor Maso and Members of the Frisco City Council

cc: George Purefoy, City Manager
Cissy Sylo, P.E., Director of Engineering Services
Elizabeth Metting, P.E., Asst. Director/City Engine

From: Arthur Hartle, P.E., Senior Civil Engineer

Date: October 8, 2008

Subject: Consider and act upon authorization for the City Manager to execute Change Order Number 1 to the Standard Form of Agreement by and between the City of Frisco and Dowager Utility Construction, Ltd. for additional services relating to the construction of the Preston Manor Sanitary Sewer Replacement

Action Requested: City Council consideration and approval to authorize the City Manager to execute Change Order Number 1 to the Standard Form of Agreement for Construction Services by and between the City of Frisco and Dowager Utility Construction, Ltd. of Dallas, Texas (the "Contractor"), in the amount of \$29,555.77, for additional services relating to the construction of the Preston Manor Sanitary Sewer Replacement (the "Project").

Background Information: The City Council approved Resolution 07-02-26R, authorizing the City Manager to execute a Professional Services Agreement by and between the City of Frisco and GSWW, Inc. (the "Design Engineer") of Dallas, Texas, in the amount of \$72,594.00, for the design of the Project. The Project replaces approximately 1,530 lineal feet of existing 10-inch sanitary sewer pipe (that the Public Works Department has found to be in a deteriorated condition) with a new 15-inch sanitary sewer pipe. The general Project location is west of Preston Road and north of Main Street. The replacement sanitary sewer pipe begins at a point northwest of Camfield Way and ends at a manhole located to the west of Edgewood Cove. The sanitary sewer pipe is located along the backyards of the houses on the north side of Cori Lane and on the north side of Preston Manor Park.

At their June 17, 2008 meeting, the City Council approved the award of bid to the Contractor in the amount of \$218,381.00, and approved Resolution No. 08-06-147R, authorizing the City Manager to execute a Standard Form Agreement for

Construction Services with the Contractor for construction of the Project. Staff issued a Notice to Proceed to the Contractor on July 21, 2008; the contract completion date is November 20, 2008.

Change Order Number 1 includes two (2) additions to the Project scope. In the design phase of the Project, City Staff was unable to videotape the sanitary sewer pipe due to the deteriorated condition of the pipe. In the construction phase it has been determined that three (3) additional service connections from local residences need to be added to the Project scope, and these new connections have to be removed and re-installed on the new sanitary sewer pipe recently installed.

Additionally, at the east end of the Project, the existing pipe immediately adjacent to the replacement pipe was determined to be in very poor condition. The Design Engineer and the Contractor have recommended that replacement of this deteriorating pipe is also necessary. Replacement of this sanitary sewer pipe will additionally result in the removal of five (5) manholes. As the Contractor is working in the immediate area the replacement is more cost effective rather than deferring the replacement into the future. Removal of this deteriorating pipe will also remove sanitary sewer pipe that is a source for infiltration and inflow into the sanitary sewer system, resulting in groundwater being treated as wastewater. This occurrence reduces a Wastewater Treatment Plant's operational capacity and increases operating costs.

The cost of Change Order Number 1 is \$29,555.77; execution of Change Order Number 1 will increase the total cost of the contract for construction to \$247,936.77.

Alternatives: The City Council could consider the following alternatives:

- Authorize the City Manager to execute Change Order Number 1;
- Input towards the discussion as desired;
- Deny authorization for the City Manager to execute Change Order Number 1 and send back to staff with direction.

Financial Considerations: Execution of Change Order Number 1 increases the total cost of constructing the Project to \$247,936.77. The Engineers Opinion of Probable Construction Cost (OPCC) for the Project was \$350,000.00. Funding for the Project is derived from the 2007 Certificates of Obligation; as the cost of Change Order Number 1 is within the current Project budget estimate, Staff recommends also funding the cost of Change Order Number 1 from the 2007 Certificates of Obligation.

Legal Review: Not Applicable.

Supporting Documents: Supporting documents include the following items:

Agenda Memorandum
Change Order Number 1 – Dowager Utility Construction, Ltd.
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- Copy of Project Location Map;
- Copy of Change Order Number 1 to the Standard Form Agreement for Construction Services by and between the City of Frisco and Dowager Utility Construction, Ltd.

Staff Recommendation: Staff recommends placement of this item on the October 8, 2008 City Council meeting agenda to consider and approve authorization for the City Manager to execute Change Order Number 1 to the Standard Form Agreement for Construction Services by and between the City of Frisco and Dowager Utility Construction, Ltd. of Dallas, Texas, in the amount of \$29,555.77, for additional services relating to the construction of the Preston Manor Sanitary Sewer Replacement. Staff will be present at the meeting to address the City Council's questions relating to this agenda item.